

Bachelors of Science – Biological Sciences

Program	Bachelors of Science – Biological Sciences
Department(s)	School of Life Sciences
College	College of Sciences
Program Assessment Coordinator	Jenifer Utz
Five-Year Implementation Dates (2010-2011 to 2015-2016)	2010-2011 to 2015-2016

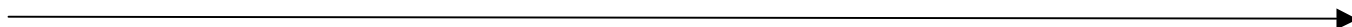
1. Student Learning Outcomes for the program. List the Student Learning Outcomes for the program. *Number for later reference.*

Students who graduate with a major in biological sciences from UNLV will receive skills and acquire:

1. knowledge of the diversity and similarity of living organisms at organizational levels from molecules to landscapes and the nature of the interactions between organisms and their environment, both now and in the past.
2. knowledge of the processes of inheritance and natural selection, as they affect individuals and populations.
3. knowledge of the scientific method and the relationships among theory, experimentation, data analysis, and interpretation.
4. the ability to articulate, in written form, knowledge of biological concepts and methods.
5. Knowledge of regulating fundamental cellular processes including DNA replication, transcription, and translation to cell growth and development.
6. Students who graduate with a major in biological sciences from UNLV will have fulfilled their professional goals, and, should they wish to pursue more advanced studies, will be competitive candidates for admission into professional and graduate schools

2. Curriculum Alignment of Student Learning Outcomes. Where is the information covered in the courses required in the program?
At what developmental stage is it covered (Beginning, Middle, or End)?

Student Learning
Outcomes for the Program



Courses in program
(required & electives)



	1	2	3	4	5	6
BIOL 196	B	B	B	B	B	B
BIOL 197	B	B	B		B	B
BIOL 251	B/M	B	B	M	B	B/M
BIOL 300		M	M	B/M	M	M
BIOL 301	M	M				M
BIOL 302	M	M				M
BIOL 304/D		M	M	B/M	M	M
BIOL 305	M		M	M/E		M
BIOL 320	M	M				M
BIOL 341	M/E		M	M/E		M
BIOL 345	M/E			M		M
BIOL 348	M				M	M
BIOL 351	M	M	M	M	M	M
BIOL 360	M		M			M

BIOL 361
BIOL 405
BIOL 409
BIOL 412
BIOL 414
BIOL 415
BIOL 417
BIOL 418
BIOL 422
BIOL 425
BIOL 426
BIOL 427
BIOL 431
BIOL 432
BIOL 433
BIOL 434
BIOL 437
BIOL 438
BIOL 440
BIOL 441
BIOL 442
BIOL 444
BIOL 445

M		M			M
M/E		E		M/E	E
M/E	M			M/E	E
E	E	E		E	E
M/E				M/E	E
E	E		M		E
E		M	M/E	M/E	E
M/E		M	E	M/E	E
M/E	M/E	M/E			E
M/E		M/E		M/E	E
M/E					E
M/E	M/E	M/E		M/E	E
M/E	M/E	M/E			E
M/E	M/E	M/E			E
M/E	M/E	M/E			E
M/E	M/E	M/E			E
M/E		M/E	M	M/E	E
E	M/E	E	E		E
M/E		M/E		M/E	E
E	M/E	M/E	E		E
M/E		M/E		E	E

BIOL 447
BIOL 448
BIOL 449
BIOL 451
BIOL 452
BIOL 453
BIOL 455
BIOL 460
BIOL 464
BIOL 465
BIOL 466
BIOL 468
BIOL 470
BIOL 471
BIOL 473
BIOL 475
BIOL 480
BIOL 481
BIOL 485
BIOL 486
BIOL 487
BIOL 489
BIOL 490

E	M/E	M/E			E
M/E		E	E		E
E				M/E	E
E	E		M/E		E
M/E				E	E
M/E	M/E			M/E	E
E	E		M/E		E
M/E				E	E
M/E	M/E		M	M/E	E
E	M/E			E	E
M/E	E	M/E		E	E
M/E		M/E			E
M/E		E	M/E		E
M/E	M/E				E
M/E		E	M/E	M/E	E
M/E		M/E		E	E
		E	M/E		E
M/E		E		E	E
M/E	M/E	E	E	M/E	E
M/E	M/E				E
	E	E			E
M/E		E		E	E
E	E	E			E

BIOL 492
BIOL 493
BIOL 494
BIOL 496
BIOL 498
BIOL 499

M/E	M/E	E	E	M/E	E
M/E	M/E	E	E	M/E	E
M/E	M/E	E	E	M/E	E
M/E	M/E	E	E	M/E	E
M/E	M/E	E	E	M/E	E
M/E	M/E	M/E	E	M/E	E

B = Beginning, M = Middle, E = End

B = outcome introduced in beginning of development, such as in introductory course

M = outcome covered in middle stages of development

E = outcome fully developed at the end of career, such as in a capstone course